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Six-Year Secondary System Construction Plan
for Fiscal Years

2005-2011

and Revenue Sharing Program for Fiscal Year

2005-2006



submitted to

Virginia Department of Transportation -- Salem District



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II.A. INTRODUCTION REVENUE SHARING PROGRAM FOR FY 2005-2006

The Virginia Department of Transportation's (VDOT) Revenue Sharing Program annually provides Roanoke County the opportunity to receive State matching funds for the construction, maintenance, and improvement to primary and secondary roads in the State's highway system. The Commonwealth of Virginia provides **\$15 million** for the matching program and limits localities to \$500,000 each. However, if more or less than 20 counties participate, our share of money will be reduced/increased proportionately.

Application for Revenue Sharing Program funding must be made by resolution of the governing body of the jurisdiction in which the road is located. Project funding is allocated by resolution of the Commonwealth Transportation Board. Construction may be accomplished by VDOT or, where appropriate, by the locality under an agreement with VDOT.

Roanoke County and VDOT staffs have been continuously reviewing and evaluating streets and drainage requests throughout the year for inclusion in the Revenue Sharing Program. In addition to reviewing citizens' inquiries, staff contacted Roanoke County's Stormwater Operations Division, Police Department, Fire & Rescue Department, School Board personnel, Western Virginia Water Authority, and VDOT's area superintendents.

VDOT and County staff have reviewed and evaluated each request received for inclusion in the revenue sharing plan. In deciding which projects would be included, the following criteria were used; traffic counts, pavement width (18' or greater for plant mix) existing and future development, overall pavement condition (alligator cracking, depressions and utility cuts), drainage, vehicular safety, and the economic benefits.

II.B. REVENUE SHARING PROJECTS: DETAILS AND MAPS

Following is our priority list of revenue sharing projects to be completed in the summer/fall of 2006 or beyond.

LOCATION:	Near intersection of Hammond Lane, Rte 1522
MAGISTERIAL DISTRICT:	Cave Spring
TRAFFIC COUNT (VPD):	150
PROPOSED IMPROVEMENTS:	Replace existing pipe culvert with double 48-inch pipe culverts.
TOTAL ESTIMATED COST:	\$100,000
COUNTY CONTRIBUTION:	\$50,000

DESIGNATION OF FUNDS FOR FY 05-06 REVENUE SHARING ROANOKE COUNTY, VA

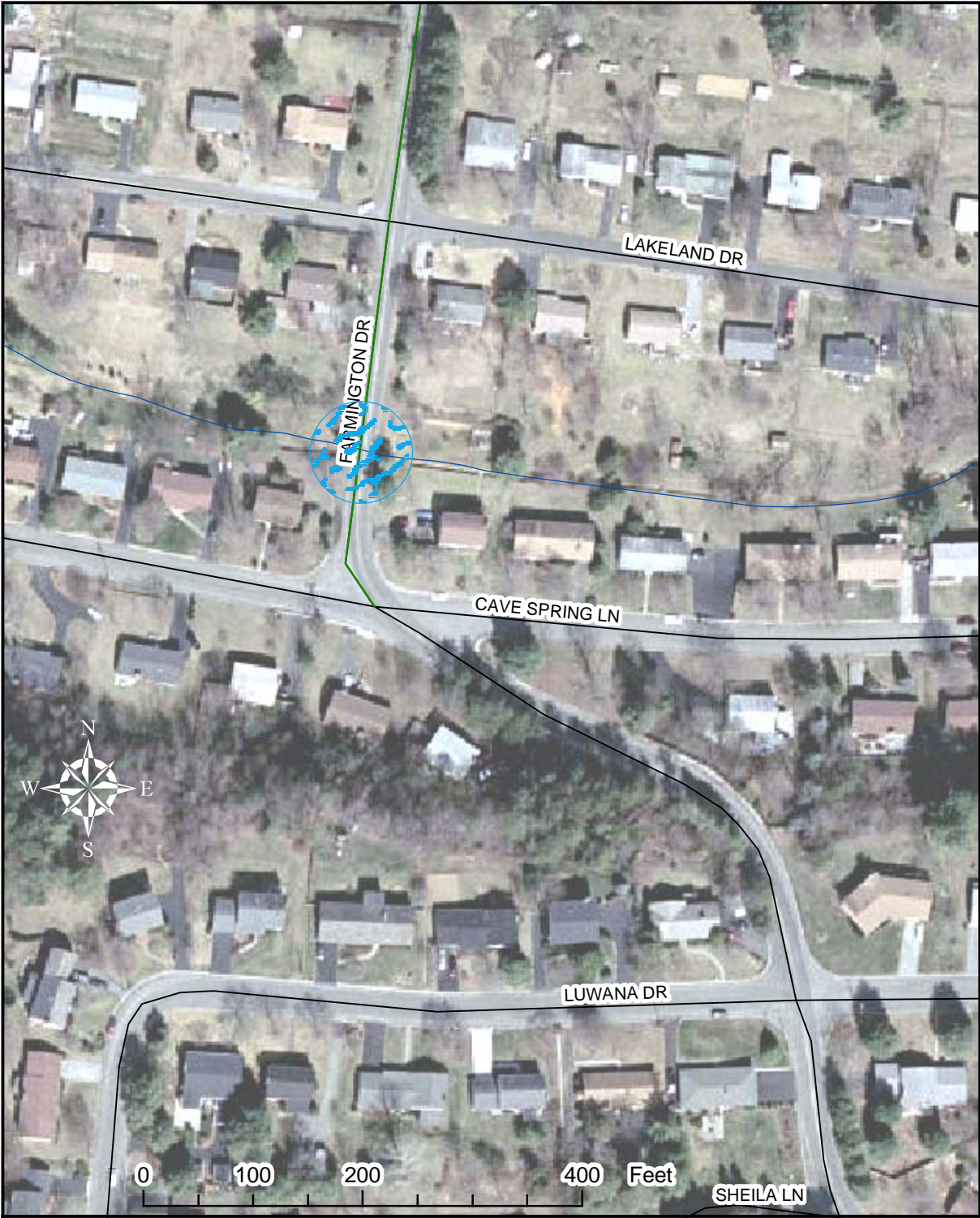


PROPOSED IMPROVEMENTS

GIRARD DRIVE

LOCATION:	Near intersection with Cave Spring Lane, Rte 1573
MAGISTERIAL DISTRICT:	Windsor Hills
TRAFFIC COUNT (VPD):	1,300
PROPOSED IMPROVEMENTS:	Replace existing inadequate pipe culvert with box culvert.
TOTAL ESTIMATED COST:	\$50,000
COUNTY CONTRIBUTION:	\$25,000

DESIGNATION OF FUNDS FOR
FY 05-06 REVENUE SHARING
ROANOKE COUNTY, VA



PROPOSED IMPROVEMENTS

FARMINGTON DRIVE/
CAVE SPRING LANE

LOCATION:	Adjacent to 3523 Farmington Drive residence
MAGISTERIAL DISTRICT:	Windsor Hills
TRAFFIC COUNT (VPD):	2,600
PROPOSED IMPROVEMENTS:	Replace existing inadequate pipe culverts with box culvert.
TOTAL ESTIMATED COST:	\$150,000
COUNTY CONTRIBUTION:	\$75,000

DESIGNATION OF FUNDS FOR FY 05-06 REVENUE SHARING ROANOKE COUNTY, VA



PROPOSED IMPROVEMENTS

FARMINGTON DRIVE

LOCATION:	Approximately 0.3 miles north of intersection with Newport Road, Rte 624
MAGISTERIAL DISTRICT:	Catawba
TRAFFIC COUNT (VPD):	150
PROPOSED IMPROVEMENTS:	Replace existing inadequate pipe culverts with adequately sized pipe culverts and rebuild approaches.
TOTAL ESTIMATED COST:	\$30,000
COUNTY CONTRIBUTION:	\$15,000

DESIGNATION OF FUNDS FOR FY 05-06 REVENUE SHARING ROANOKE COUNTY, VA



PROPOSED IMPROVEMENTS

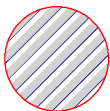
MILLER COVE ROAD

LOCATION:	Near intersection with Bobby Drive, Rte 5009
MAGISTERIAL DISTRICT:	Hollins
TRAFFIC COUNT (VPD):	360
PROPOSED IMPROVEMENTS:	Improve sight distance around horizontal curve.
TOTAL ESTIMATED COST:	\$40,000
COUNTY CONTRIBUTION:	\$20,000

DESIGNATION OF FUNDS FOR
FY 05-06 REVENUE SHARING
ROANOKE COUNTY, VA



0 550 1,100 2,200 Feet



PROPOSED IMPROVEMENTS

OLSEN ROAD

LOCATION:	At intersection of Colonial Avenue, Rte 720, and Lanewood Drive, Rte 1632
MAGISTERIAL DISTRICT:	Cave Spring
TRAFFIC COUNT (VPD):	9,900
PROPOSED IMPROVEMENTS:	Improve drainage around 3671 Colonial Avenue property; runoff from VDOT right-of-way ponding in yard; attempt to get runoff to adequate channel.
TOTAL ESTIMATED COST:	\$12,000
COUNTY CONTRIBUTION:	\$6,000

DESIGNATION OF FUNDS FOR FY 05-06 REVENUE SHARING ROANOKE COUNTY, VA



PROPOSED IMPROVEMENTS

COLONIAL AVENUE/
LANEWOOD DRIVE

LOCATION:	From intersection with Plantation Road, Rte 115, to end of state maintenance
MAGISTERIAL DISTRICT:	Hollins
TRAFFIC COUNT (VPD):	1,900
PROPOSED IMPROVEMENTS:	Road repairs; overlay with plant mix.
TOTAL ESTIMATED COST:	\$22,786
COUNTY CONTRIBUTION:	\$11,393

DESIGNATION OF FUNDS FOR
FY 05-06 REVENUE SHARING
ROANOKE COUNTY, VA



 PROPOSED IMPROVEMENTS

FRIENDSHIP LANE

PRIORITY #8

LOFTON ROAD – RTE 1345

FALL ROAD – RTE 1340

TAMARACK TRAIL – RTE 1342

LOCATION:

Lofton Rd: from Roanoke City limits to 0.06 miles
East of Sharmar Road, Rte 1344

Fall Rd: from intersection with Lofton Road, Rte
1345, to intersection with Tamarack Trail, Rte 1342

Tamarack Tr: from intersection with Fall Road, Rte
1340, to cul-de-sac, in both directions

MAGISTERIAL DISTRICT:

Windsor Hills

TRAFFIC COUNT (VPD):

Lofton Rd: 570

Fall Rd: 200

Tamarack Tr: 200

PROPOSED IMPROVEMENTS:

Road repairs; mill and overlay with plant mix.

TOTAL ESTIMATED COST:

\$100,528

COUNTY CONTRIBUTION:

\$50,264

DESIGNATION OF FUNDS FOR FY 05-06 REVENUE SHARING ROANOKE COUNTY, VA

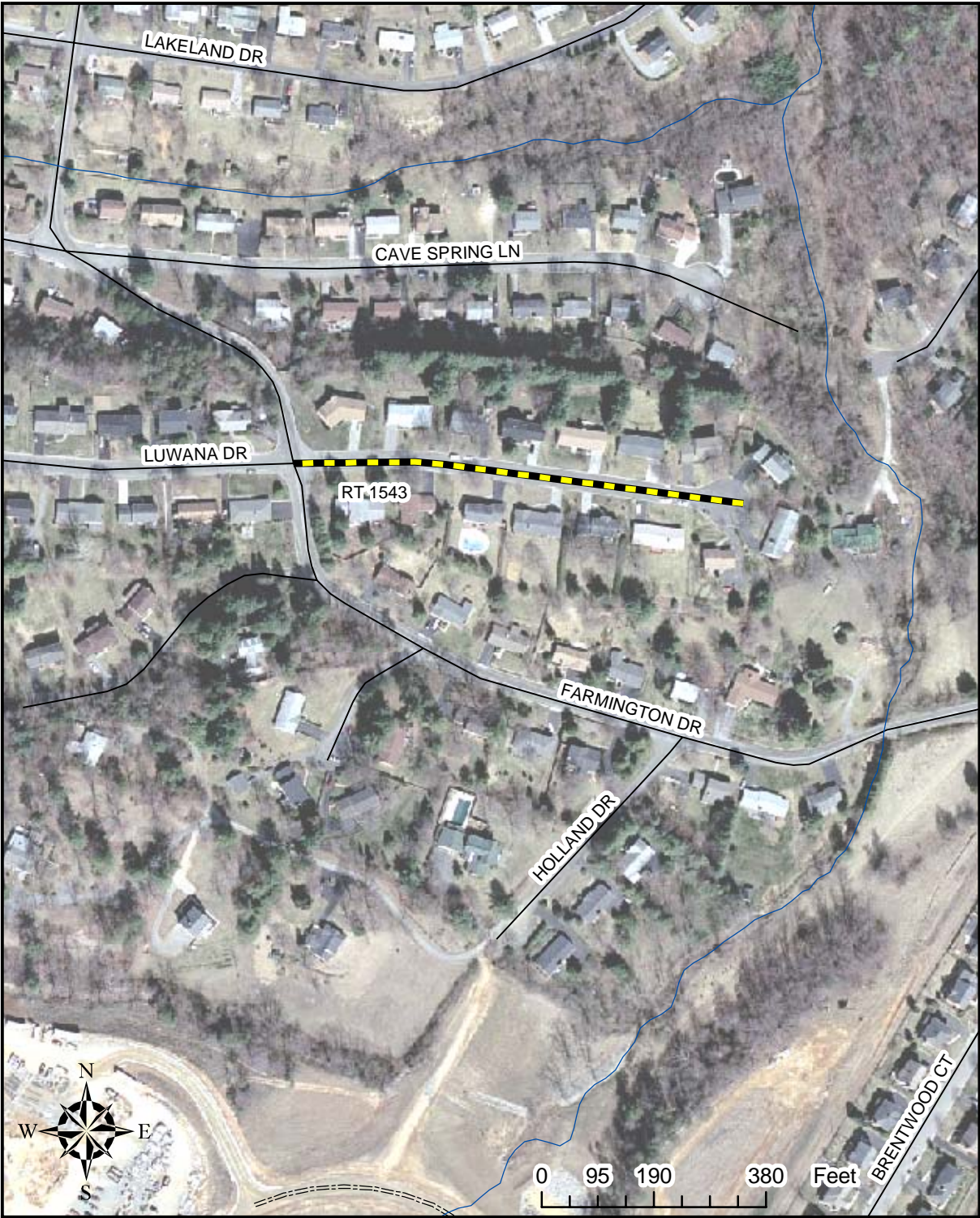


— PROPOSED IMPROVEMENTS

LOFTON ROAD/
TAMARACK TRAIL/
FALL ROAD

LOCATION:	From intersection with Farmington Drive, Rte 1652, to cul-de-sac
MAGISTERIAL DISTRICT:	Windsor Hills
TRAFFIC COUNT (VPD):	80
PROPOSED IMPROVEMENTS:	Road repairs; mill and overlay with plant mix.
TOTAL ESTIMATED COST:	\$17,118
COUNTY CONTRIBUTION:	\$8,559

DESIGNATION OF FUNDS FOR
FY 05-06 REVENUE SHARING
ROANOKE COUNTY, VA

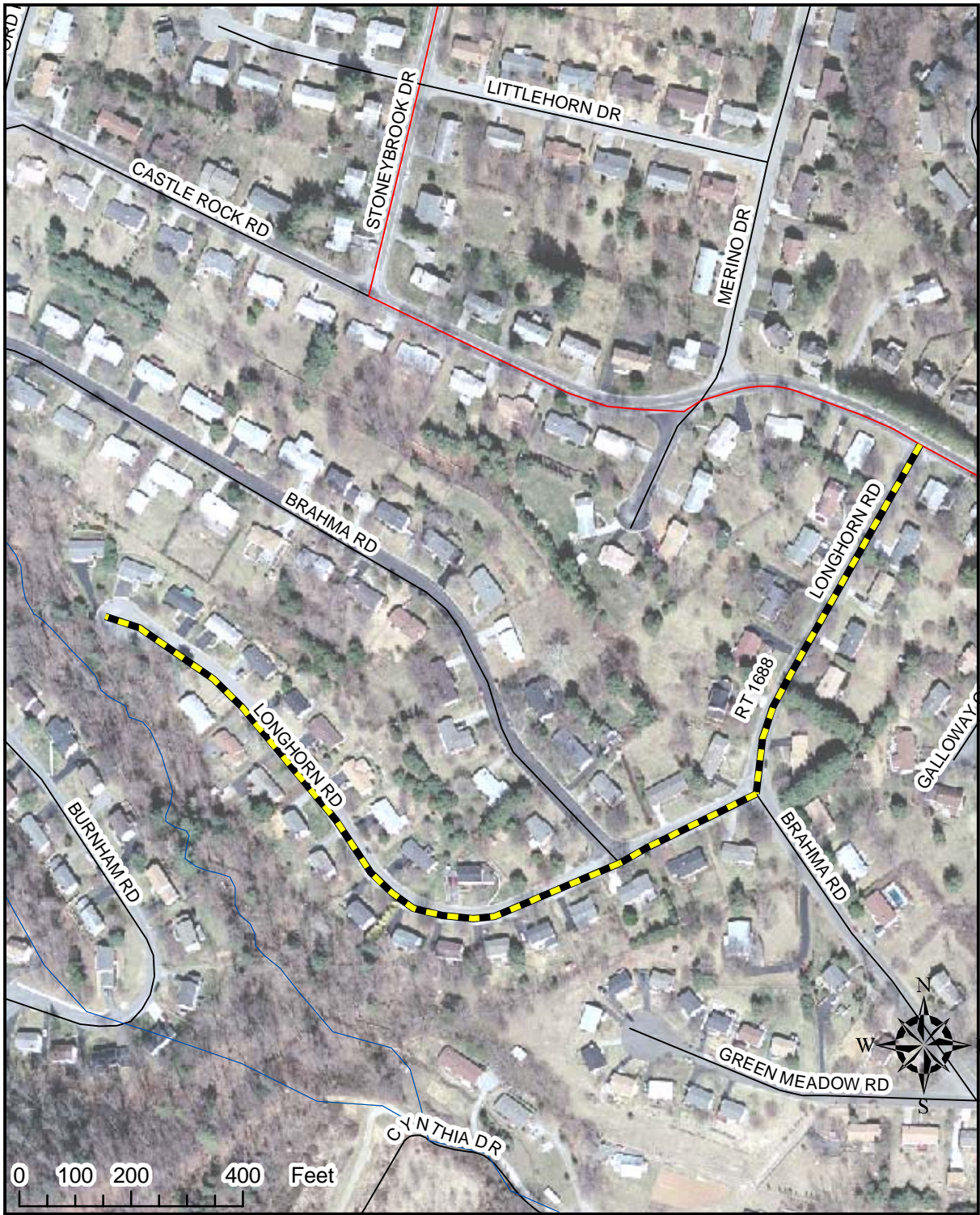


 PROPOSED IMPROVEMENTS

LUWANA DRIVE

LOCATION:	From intersection with Castle Rock Road, Rte 702, to cul-de-sac
MAGISTERIAL DISTRICT:	Windsor Hills
TRAFFIC COUNT (VPD):	440
PROPOSED IMPROVEMENTS:	Road repairs; mill and overlay with plant mix.
TOTAL ESTIMATED COST:	\$55,380
COUNTY CONTRIBUTION:	\$27,690

DESIGNATION OF FUNDS FOR
FY 05-06 REVENUE SHARING
ROANOKE COUNTY, VA



 PROPOSED IMPROVEMENTS

LONGHORN ROAD

II.C. REVENUE SHARING PROGRAM SUMMARY

DISTRICT: SALEM	DESIGNATION OF FUNDS FOR	PAGE: 1 OF 1
RESIDENCY: SALEM	FY 05/06 REVENUE SHARING	DATE: 16 Nov '04
	ROANOKE COUNTY, VA	

Road Name & Rte. #:	County Match (\$)	State Match (\$)	6 Yr Plan Priority	Proj. Funded w/ Rev. Shar. Only (Y/N)	Proj. Length (mi)	Location:	VPD	Bridge (Y/N)	Res Engr Apprvd (Y/N)	Desc. of Prop. Work:	Admin. By VDOT or County
Girard Dr, Rte 1521	50,000	50,000	1	N	N/A	Near intersection of Hammond Ln, Rte 1522	150	N		Replace existing 52" pipe w/ double 48" pipe	VDOT
Farmington Dr, Rte 1652	25,000	25,000	2	N	N/A	Near intersection w/ Cave Spring Ln. Rte 1573	1300	N		Drainage pipe under Farmington appears to be undersized; install box culvert	VDOT
Farmington Dr, Rte 1652	75,000	75,000	3	Y	N/A	Adjacent to 3523 Farmington Dr	2600	N		Culverts inadequate, replace w/ box culvert of adequate size	VDOT
Miller Cove Rd, Rte 620	15,000	15,000	4	Y	N/A	Approx. 0.13 mi north of intersection with Newport Rd (Rte 624)	150	N		Existing culverts undersized, will not carry flow; replace with adequate sized culverts and rebuild approaches.	VDOT
Olsen Rd, Rte 1832	20,000	20,000	5	Y	N/A	Near intersection w/ Bobby Dr	360	N		Sight distance improvements needed	VDOT
Colonial Av, Rte 720	6,000	6,000	6	Y	N/A	At int. of Colonial Av & Lanewood Dr Rte 1632	9900	N		Improve drainage around 3671 Colonial Av; runoff from VDOT r-o-w has no discharge point; ponds in yard; flooding has occurred	VDOT
Friendship Ln, Rte 1895	11,393	11,393	7	Y	0.35	From int. w/ Plantation Rd to dead-end	1900	N		Road repairs, overlay	VDOT
Fall Rd, Rte 1340	4,520	4,520	8	Y	0.06	Intersection w/ Lofton Rd to int. w/ Tamarack Tr	200	N		Mill and overlay	VDOT
Lofton Rd, Rte 1345	28,753	28,753	8	Y	0.52	Roa. City limits to .06 mi. East of Rte 1344, Sharmar Rd	570	N		Mill and overlay	VDOT
Tamarack Tr, Rte 1342	16,991	16,991	8	Y	0.28	From int. w/ Fall Rd to dead-end, both directions	200	N		Mill and overlay	VDOT
Luwana Dr, Rte 1543	8,559	8,559	9	Y	0.14	From int. w/ Farmington Dr to dead end	80	N		Mill and overlay	VDOT
Longhorn Rd, Rte 1688	27,690	27,690	10	Y	0.5	From int. w/ Castle Rock Rd to dead end	440	N		Mill and overlay	VDOT
Hardy Rd, Rte 634	211,094	211,094	11	N	0.9	From E. Vinton Town limit to 0.01 mi. East of Rte 654	9000	N		Reconstruct Hardy Rd; supplemental funds for Numbered Project, Priority #15	VDOT
Subtotal:	\$500,000	\$500,000									
Cum. Total:	\$500,000										

II.D. PROJECTS CONSIDERED BUT NOT FUNDED

The following projects were considered for inclusion in the FY 2005/2006 Revenue Sharing Program but were not added.

Brandywine Avenue, Rte 1602: Drainage issue; may be too extensive to handle under Revenue Sharing; could not be accomplished by 2006 construction season.

Bunker Hill Drive, Rte 1602: Drainage issue; may be too extensive to handle under Revenue Sharing; could not be accomplished by 2006 construction season.

Goodwin Avenue, Rte 635: Drainage issue; will attempt to handle under a VDOT maintenance request; upon completion of reestablishing ditches we will review to see if remedied problem.

Carson Road, Rte 758: Drainage issue; may be too extensive to handle under Revenue Sharing; could not be accomplished by 2006 construction season. May have to be added to future Numbered Project list.

Cotton Hill Road, Rte 688: Spot improvement; may be too extensive to handle under Revenue Sharing; could not be accomplished by 2006 construction season. May have to be added to future Numbered Project list.

Eden Street, Rte 791: Paving request; road appears to be in good shape; no need to surface treat at this time.

Downing Street, Rte 792: Paving request; road appears to be in good shape; no need to surface treat at this time.